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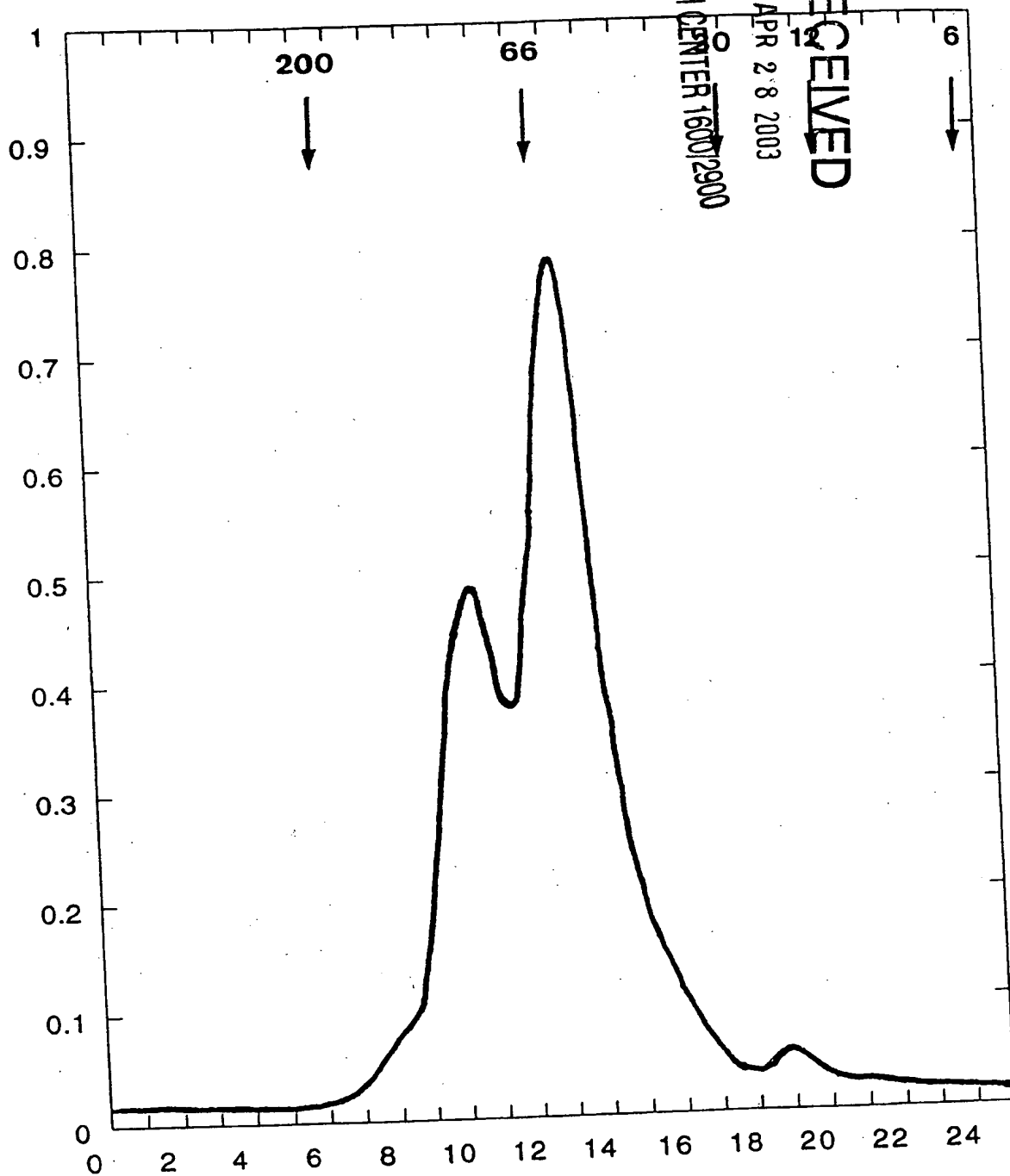


~~6A~~

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~~Fig. 6-1~~

FIG. 6A

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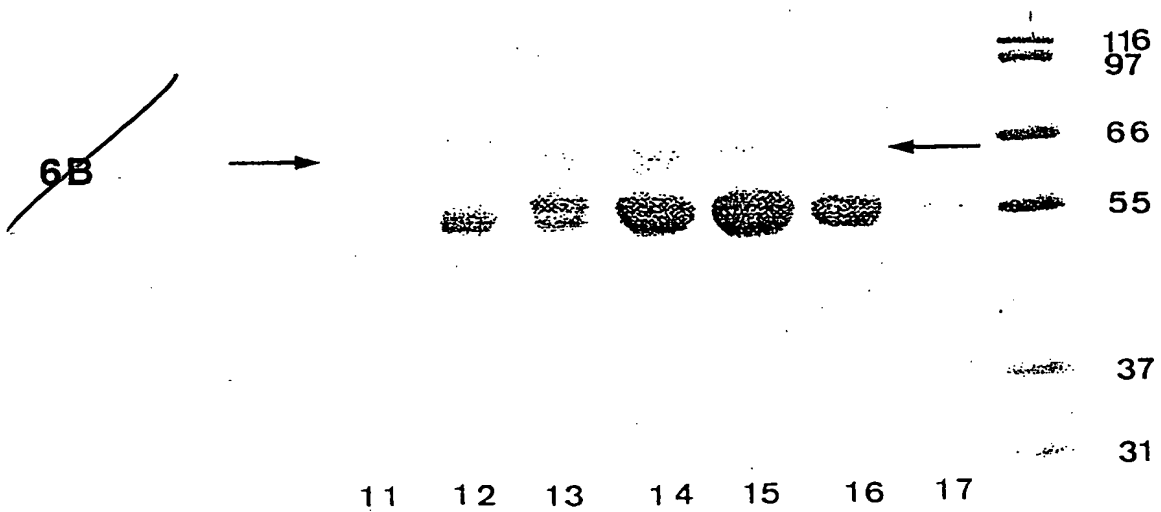


FIG 6B

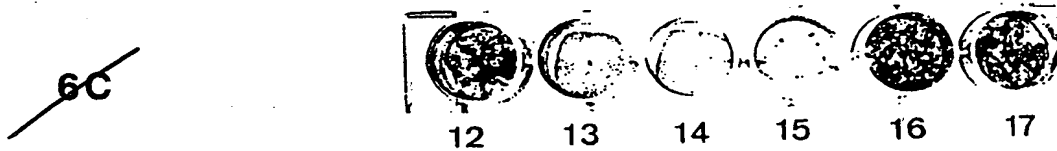
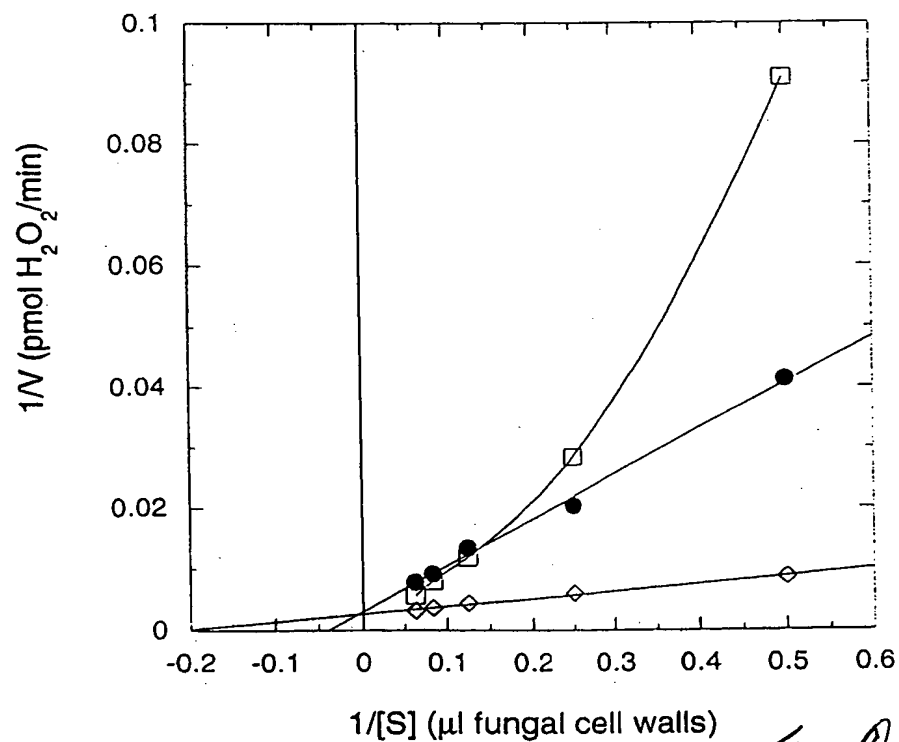
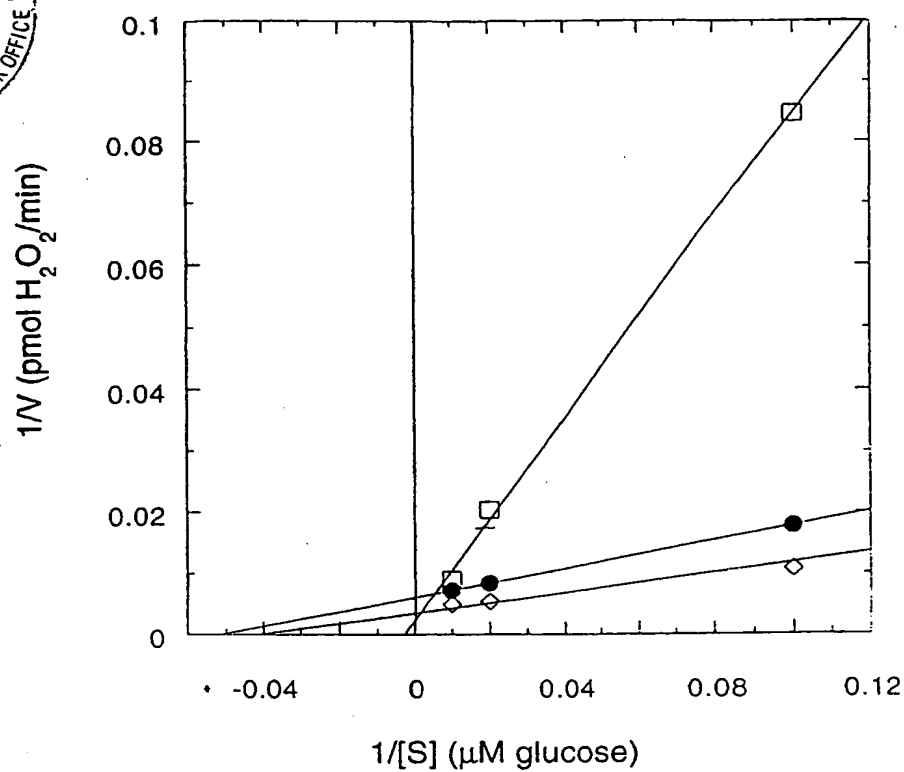


FIG 6C

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~~Fig. 8~~



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MS59 1 -----MQTS ILTL LLL LLS TQS SATSR S I TD-RFI QCLH DRA D P S F P
 WL64 1 MAITYS FNFKSY I F P L L L V L L S T H S SAT S T S I I D-RFT QCLN N R A D P S F P
 At26 1 -----TSRRNSE-TFT QCLT S N S D P K H P
 At27 1 -----S I Q D-QE I N C V K R N T H V S F P
 EcBBE 1 -----MENKTP I F F S L S I F L S L L N C A L G G--ND--L L S C I T F N G V R N E-
 PsBBE 1 -----MMCRSLT L R F F L F I V L-L Q T C V R G G D V N D N L L S S C I N S H G V H N E-

MS59 42 I T G E V Y T P G N--S S F P T V L Q N Y I R N L R F N E T T T P K P F L I I T A E H V S H I Q A
 WL64 50 L S G Q L Y T P D N--S S F P S V L Q A Y I R N L R F N E S T T P K P I L I I T A L H P S H I Q A
 At26 23 I S P A I F F S G N--G S Y S S V L Q A N I R N L R F N T T S T P K P F L I I A A T H E S H V Q A
 At27 20 L E K T L F T P A K N V S L E N Q V L E S T A Q N I Q F L A K S M P K P G F I F R P I H Q S Q V Q A
 EcBBE 40 --T V F S A D S D--S D E N R F L H L S I Q N P L F Q N S L I S K P S A I L L P G S K E E L S N
 PsBBE 44 --T T L S T D T N--S D Y F K L L H A S M Q N P L F A K P T V S K P S F I V M P G S K E E L S S

MS59 90 A V V C G K Q N R L L L K T R S G G H D Y E G L S Y L T N T N Q P F F I V D M F N L R S I N V D I E
 WL64 98 A V V C A K T H R L L M K T R S G G H D Y E G L S Y V T N S N Q P F F V V D M F N L R S I N V S I E
 At26 71 A I T C G K R H N L Q M K I R S G G H D Y D G L S Y V T Y S G K P F F V L D M F N L R S V D V D V A
 At27 70 S I I C S K K L G I H F R V R S G G H D F E A L S Y V S R I E K P F I L L D L S K L K Q I N V D I E
 EcBBE 86 T I R C I R K G S W T I R L R S G G H S Y E G L S Y T S D T--P F I L I D L M N L N R V S I D L E
 PsBBE 90 T V H C C T R E S W T I R L R S G G H S Y E G L S Y T A D T--P F V I V D M M N L N R I S I D V L

MS59 140 Q E T A W V Q A G A T L G E V Y Y R I A E K S N K H G F P A G V C P T V G V G G H F S G G G Y G N L
 WL64 148 D E T A W V Q A G A T L G E V Y Y R I A E K S N S H A F P A G V C P T V G V G G H F S G G G Y G N L
 At26 121 S K T A W V Q T G A I L G E V Y Y I W E K S K T L A Y P A G I C P T V G V G G H I S G G G Y G N M
 At27 120 S N S A W V Q P G A T L G E L Y Y R I A E K S K I H G F P A G L C T S V G I G G Y M T G G G Y G T L
 EcBBE 134 S E T A W V E S G S T L G E L Y Y A I A Q S T D T L G F T A G W C P T V G T G G H I S G G G F G M M
 PsBBE 138 S E T A W V E S G A T L G E L Y Y A I A Q S T D T L G F T A G W C P T V G S G G H I S G G G F G M M

MS59 190 M R K Y G L S V D N I V D A Q I I D V N G K L L D R K S M G E D L F W A I T G G G G V S F G V V L A
 WL64 198 M G K Y G L S V D N I V D A Q L I D V N G K L L N R K S M G E D L F W A I T G G G G V S F G V V V A
 At26 171 M R K Y G L T V D N T I D A R M V D V N G K I L D R K L M G E D L Y W A I N G G G G G S Y G V V L A
 At27 170 M R K Y G L A G D N V L D V K M V D A N G K L L D R A A M G E D L F W A I R G G G G A S F G I V L A
 EcBBE 184 S R K Y G L A A D N V V D A I L I D A N G A I L D R Q A M G E D V F W A I R G G G G G V W G A I Y A
 PsBBE 188 S R K Y G L A A D N V V D A I L I D S N G A I L D R E K M G D D V F W A I R G G G G G V W G A I Y A

MS59 240 Y K I K L V R V P E V V T V F T I E R R E E O N L S-T I A E R W V Q V A D K L D R D L F L R M T F
 WL64 248 Y K I K L V R V P T T V T V E N V Q R T S E O N L S-T I A H R W I Q V A D K L D N D L F L R M T F
 At26 221 Y K I N L V E V P E N V T V F R I S R T L E Q N A T-D I I H R W Q O V A P K L P D E L F I R T V I
 At27 220 W K I K L V P V P K T V T V F T V T K T L E Q D A R L K T I S K W Q O I S S K I I E E I H I R V V L
 EcBBE 234 W K I K L L P V P E K V T V F R V T K N V A I D E A T S L L H K W Q F V A E E L E D F--TV
 PsBBE 238 W K I K L L P V P E K L T V F R V T K N V G I E D A S S L L H K W Q Y V A D E L D E D F--TV

MS59 289 S V I N D T N G-G K T V R A I F P T L Y L G N S R N L V T L L N K D F P E L G L Q E S D C T E M S
 WL64 297 N V I N N T N G-E K T I R G L F P T L Y L G N S T A L V A L N K D F P E L G V E I S D C I E M S
 At26 270 D V V N G T V S S Q K T V R T T E I A M F L G D T T T L L S I L N R R F P E L G L V R S D C T E T S
 At27 270 R A A G N D G N--K T V T M T Y L G Q F L G E K G T L L K V M E K A F P E L G L T Q K D C T E M S
 EcBBE 280 S V L G G A D E--K Q V W L T M L G F H F G L K T V A K S T F D L L F P E L G L V E E D Y L E M S
 PsBBE 284 S V L G G V N G--N D A W L M F L G L H L G R K D A A K T I I D E K F P E L G L V D K E F Q E M S

Fig. 10-1

FIG 10A

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MS59 338 WVESVLYYTGFPSGTPTTALLSRTTP-QRLNPFKIKSDYVONPISKROFEF
 WL64 346 WIESVLFYTNFPIGTPTTALLSRTTP-QRLNPFKIKSDYVKNITISKQGFES
 At26 320 WIOSVLFWTNIQVGSSETLLQORN--QPVNYLKRKSDYVREPISRTGLES
 At27 318 WIEAALFHGGFPTGSSEIEILLQLKSP LGKDYFKATSD FVKEPIPVIGFKG
 EcBBE 328 WGESFAYLAGLET--VSQ LNNRFLKFDERAFKTKVDLTKEPLPSKAFYG
 PsBBE 332 WGESMAFLSGLDT--ISE LNNRFLKFDERAFKTKVDLTKVSVPLNVERH

MS59 1 FIFERLKELENQMLAFNPYGGRMSEISEFAKPPPHRSGNIAKIQYEVNWE
 WL64 1 SIFERMKELENQMLAFNPYGGRMSEISEFAKPPPHRSGNIAKIQYEVNWD
 At26 1 SIWKMI ELEIPTMAFN PYGGEMGRISSTVTPFPYRAGNLWKIQYGANWR
 At27 1 GIFKRLIEGNTTFLNWT PYGGMMSKIPESAI PPHRNGTLFKILYYANWL
 EcBBE 1 GLLERLSKEPNGEI ALNGFGGQMSKISSDFTPPPHRSGLTLMVEYI VAWN
 PsBBE 1 HALEMLS EQPGGFIALNGFGGKNSEISTDFTPPPHRKGT KLMFEYI IAWN

MS59 51 DLSDEAENRYLNFTRLMYDYMTPFVSKNPRKAFLNYRDLDIG-INSHG--
 WL64 51 ELGVEAANRYLNFTRVMYDYMTPFVSKNPREAFLNYRDLDIG-VNSHG--
 At26 51 DET--LTD RYMELTRKL VQFMTPFVSKNPROSFFNYRDV DLG-INSNG--
 At27 51 END-KTSSRKINWIK EINYMAPYVSSNPROAYVNYRDLDFG-ONKNN--
 EcBBE 51 QSEQKKKTEFLDWLEKV YEFMKPFVSKNPRLG YVNHIDLDLGGIDWGNKT
 PsBBE 51 QDEESKIGEFSEWLAKFYDYLEPFVSKPRVGYVNHIDLDIGGIDWRNKS

MS59 98 -RNAYTEGMV-YGH KYFKETNYKRLVS VKTKVDPDNFFRNEQSIPTLSS-
 WL64 98 -KNAYGEGMV-YGH KYFKETNYKRLTMVKTRVDPSNFFRNEQSIPTLSSS
 At26 97 KISSYVEGKR-YGK KYFAG-NFERLVKIKTRVDSGNFFRNEQSIPTLPP--
 At27 97 AKVNFIEAKI-WGPKYFKG-NFDRLVKIKTKVDPENFFRHEQSIPTLPPY-
 EcBBE 101 VVNNAIEISRWSGESYF LS-NYERLIRAKTLIDPNNVENHPQSIPPMANF
 PsBBE 101 STTNAVEIARNWGERYFSS-NYERLVKAKTLIDPNNVENHPQSIPPMMKF

MS59 -----
 WL64 146 WK-----
 At26 -----
 At27 -----
 EcBBE 150 D--YLEKT LGSDGGEVVI
 PsBBE 150 EEIYMLKEL-----

FIG 10B

Fig. 10-2